

## ABSTRACT

A syringe-type cell handling device for storing and subsequently transplanting, into a living body, cells harvested from a living body 5 or cells obtained by culturing harvested cells. The syringe-type cell handling device includes a vessel having a closed mouth and being at least partially composed of a main body, and a plunger that is slidably insertable into the main body such that the handling medium can be transplanted into a living body by applying a pushing force to the 10 plunger. At least a part of the device that contacts the fluid handling medium, when the vessel holds the handling medium, is a gas permeable region for passing a quantity of gas necessary for survival of the cells. It is preferable that at least a part of the storage vessel inner wall in contact with the cells is formed from a cell non- 15 adhesive material.